



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

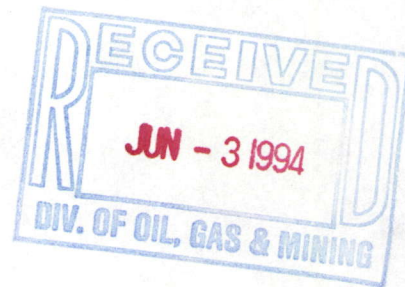
Michael O. Leavitt
Governor

Dianne R. Nielson, Ph.D.
Executive Director

Don A. Ostler, P.E.
Director

288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870
(801) 538-6146
(801) 538-6016 Fax
(801) 536-4414 T.D.D.

May 24, 1994



Mr. Clayton L. Landa
Vice President & General Manager
Barrick Mercur Gold Mines
P.O. Box 838
Tooele, Utah 84074

RE: Construction Permit - Reservation Canyon
Tailing Impoundment: 1994 Expansion

Dear Mr. Landa:

We have completed our review of the plans and specifications for the expansion of the Reservation Canyon Tailings Impoundment at Barrick Mercur Gold Mine in Tooele County, prepared by your engineering department, and submitted to us on April 23, 1994.

The plans and specifications as submitted, comply with *the Utah Water Quality Rules, (R317, Utah Administrative Code)*. **A Construction Permit** is hereby issued as constituted by this letter, subject to the following conditions:

1. Any revisions or modifications to the approved plans and specifications must be submitted to the Division of Water Quality (the Division) for review and approval, before construction or implementation thereof.
2. The approved facilities must not be placed in service unless the Division has made a final inspection, and has authorized in writing to place the constructed facilities in service.
3. During compaction of the clay liner the moisture content must be held to within 0 to +3 percent of the optimum rather than -3 to +3 as shown in the specifications.

This construction permit will expire on *May 12, 1995*, unless substantial progress is made in constructing the approved facilities, or the plans and specifications have been resubmitted and the construction permit is reissued. This permit does not relieve you in any way of your obligations to comply with other applicable local requirements, or those stated in the permits issued under the *Utah Pollutant Discharge Elimination System* or the Ground Water Quality Protection Regulations. You may contact Mr. Jeff Coombs, Tooele County Health Department at (801) 882-9241 for further assistance in this regard.

Mr. Clayton L. Landa
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The construction will include: (1) raising the tailings reservoir dikes from the present containment elevation of 7305 feet to a new containment elevation of 7315 feet; (2) raising the Main Buttress and the Levee Buttress by 10 feet each to containment elevations of 7315 feet; and, (3) the extension of the impoundment liner to the 7320 feet elevation. The impoundment liner will be a clay shale liner with a minimum of twelve (12) inches in compacted thickness. The field hydraulic conductivity of the compacted clay liner will be 1×10^{-7} centimeter per second or less. The clay liner will be protected from erosion and desiccation cracking by using four to six inches of unclassified, uncompacted earthen fill, and a woven geotextile, AMOCO 2006 or equivalent. The construction will be as shown on Drawings Nos. 6.94.10 to 6.94.23 dated March 16, 1994, and the construction specifications, as approved on September 3, 1993 by the Utah Water Quality Board.

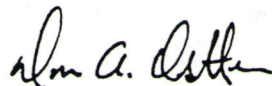
A set of approved plans and specifications is returned herewith bearing an imprint of our construction permit stamp. The stamped set must be kept available for examination and inspections to be conducted by the Division, or for resolution of any conflicts or discrepancies that may arise during construction or installation.

Please advise us of the beginning of construction. This will enable us to schedule periodic inspections. We request that a copy of record drawings be provided after the final inspection has been conducted by the Division, and completed works have been placed in service. This will enable us to keep our information accurate.

If we can be of further assistance, please contact Mr. Lyle Stott of my staff.

Sincerely,

Utah Water Quality Board



Don A. Ostler, P.E.
Executive Secretary

Enclosure

DAO:LWS:rvg

cc: Division of Oil, Gas & Mining, Wayne Hedberg
Division of Water Resources, Richard Hall
Tooele County Health Department, Myron Batman

N:BARICK94.CP
FILE:BARRICK MERCUR